Docket No.: 01954/0205047-US0

AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A pump (10, 10.2, 10.3, 10.4),
 - with a rotor-(70, 70.4), which is present fixedly in terms of rotation on a drive shaft (60, 60.2, 60.3, 60.4)-connectable to a motor drive and which possesses a radially projecting rotor collar (120, 120.3, 120.4) running around in a wavy manner,
 - with delimiting faces delimiting the rotor collar on both sides in the axial direction and leaving between them a pumping duct (124),
 - with an inlet (152) and an outlet for the pumping duct-(124),
 - with an axially adjustable sealing slide (182)-bearing sealingly against the rotor collar (120, 120.3, 120.4) on both sides in the axial direction and subdividing the pumping duct (124) between the inlet (152) and the outlet,
 - characterized in that
 - a first bearing point for the drive shaft (60, 60.2, 60.3, 60.4), for the supporting mounting of the drive shaft in the radial direction, is present within the clear space region occupied in the axial direction by the rotor (70, 70.4).
- 2. (Currently Amended) The pump as claimed in claim 1,
 - characterized in that
 - this first bearing point has at least one bearing (80, 200, 202) which is present
 within the clear space region occupied in the axial direction by the rotor collar-(120,
 120.3).
- 3. (Currently Amended) The pump as claimed in any one of the claims 1 or 2, one of the

Application No. 10/597,044 Docket No.: 01954/0205047-US0 Amendment dated July 26, 2007

Second Preliminary Amendment

preceding claims,

characterized in that

- a sleeve-shaped shaft carrier (50, 50.2, 50.3, 50.4) intrinsically carrying the drive

shaft (60, 60.2, 60.3, 60.4) is present from the direction of the pump outer wall adjacent

to the motor drive.

this first bearing point for the drive shaft is present in the projecting end region

(76, 76.3) of the shaft carrier.

(Currently Amended) The pump as claimed in claim 3,

characterized in that

the rotor (70, 70.4) is fastened fixedly in terms of rotation in the projecting end

(64, 64.3) of the drive shaft (60, 60.2, 60.3, 60.4),

- the rotor-(70, 70.4) is mounted rotatably in the manner of an end cap on the shaft

carrier (50, 50, 2, 50, 3, 50, 4).

5. (Currently Amended) The pump as claimed in claim 3-or-4,

characterized in that

- the first bearing point for the drive shaft-(60, 60.2) of the rotor is present on the

inside of the shaft carrier (50, 50.2) and a bearing point for the rotor (70), for the

supporting mounting of the rotor in the axial direction, is present on the opposite outside

of the shaft carrier (50, 50.2).

6. (Currently Amended) The pump as claimed in claim 5,

characterized in that

Application No. 10/597,044 Docket No.: 01954/0205047-US0

Amendment dated July 26, 2007

Second Preliminary Amendment

- the first bearing point, present in the projecting end region (76, 76.3) of the shaft

carrier, for the drive shaft and the bearing point for the rotor are present in the same axial

cross-sectional plane (112).

7. (Currently Amended) The pump as claimed in claim 4,

characterized in that

- the first bearing point for the drive shaft-(60.3, 60.4) is present on the outside of

the shaft carrier (50.3, 50.4),

- this bearing point is at the same time a bearing point for the rotor, for the

supporting mounting of the rotor in the axial direction.

8. (Currently Amended) The pump as claimed in claim 3, one of the preceding claims,

characterized in that

the first bearing point consists of a plurality of bearings (200, 202).

(Currently Amended) The pump as claimed in claim 3, one of the preceding claims.

characterized in that

- a second bearing point for the drive shaft (60, 60.2, 60.3, 60.4) is present in the

region of the pump outer wall adjacent to the motor drive,

this second bearing point is designed at least for the supporting mounting of the

drive shaft in the radial direction.

10. (Currently Amended) The pump as claimed in claim 3, one of the preceding claims,

characterized in that

it possesses a pump casing (12) and a bearing block (20) carrying the latter.

Docket No.: 01954/0205047-US0

Application No. 10/597,044 Amendment dated July 26, 2007 Second Preliminary Amendment

- the pump casing (12) is fastened releasably with its axial rear wall (14, 14.2) to a

holding flange (18, 18.2) of the bearing block (20).

11. (Currently Amended) The pump as claimed in claim 10,

characterized in that

- the drive shaft (60, 60.2) penetrates through the holding flange (18, 18.2) and

terminates in the pump casing (12).

12. (Original) The pump as claimed in claim 11.

characterized in that

a bearing point for the drive shaft is present in the holding flange.

13. (Currently Amended) The pump as claimed in claim 10, one of claims 10 to 12.

characterized in that

- the pump casing (12) can be fastened, such as, in particular, firmly screwed, to

the holding flange (18, 18.2) in various rotary positions.

14. (Currently Amended) The pump as claimed in claim 4, one of claims 4 to 13,

characterized in that

- the shaft carrier (50, 50.2) intrinsically carrying the drive shaft (60, 60.2) for the

rotor-(70) and projecting into the pump casing-(12) can be fastened to the holding flange

(18, 18.2) of the bearing block (20).

15. (Currently Amended) The pump as claimed in claim 10, one of the preceding claims,

characterized in that

the pump casing-(12) can be screwed, such as, in particular, can be screwed in

Second Preliminary Amendment

various rotary positions, to a flange (52.3) of the shaft carrier (50.3).

16. (Currently Amended) The pump as claimed in claim 2, one of the preceding claims,

characterized in that

a bush (220) is present on the inside of a the rotor hub (74.4) of the rotor (70.4).

in such a way that

the bush-(220) sealingly covers each of the bearings-(200, 202) which are freely

accessible after the removal of the rotor from the drive shaft.

17. (Currently Amended) The pump as claimed in claim 16,

characterized in that

the bush-(220) is mounted fixedly in terms of rotation on the drive shaft-(60.4).

18. (Currently Amended) The pump as claimed in claim 16-or-17.

characterized in that

- there is in the rotor hub (74.4) at least one ventilation duct (230, 232), through

which air can flow when the rotor (70.4) is pushed onto the bush (220) or when the rotor

is drawn off from the bush.

19. (Currently Amended) The pump as claimed in claim 18,

characterized in that

- at least one ventilation bore (232) in an the end wall region (72.4) of the rotor

hub (74.4) is present as a ventilation duct.

20. (Currently Amended) The pump as claimed in claim 18,

characterized in that

Application No. 10/597,044 Amendment dated July 26, 2007 Second Preliminary Amendment

- a ventilation groove (230) is present, integrally formed in the rotor hub (74.4) on the inside, as a ventilation duct.
- 21. (Currently Amended) The pump as claimed in claim 20,
 - characterized in that
 - the ventilation groove (230) is present helically.
- 22. (Currently Amended) The pump as claimed in claim 16, one of the preceding claims,
 - characterized in that
 - thea holding ring (160.4) is sealed off with respect to the bush-(220) in the axial direction.
- 23. (Currently Amended) The pump as claimed in claim 22,
 - characterized in that
 - there is in the bush-(220) at least one sliding ring (164.4, 166.4) which, pressing in the axial direction, can be brought to bear in each case against at least one sliding ring (165.4, 167.4) present in the holding ring.